

Concept Report For Bridge Replacement Project

Structure: C-164; SR-66 over Weber River in Morgan City MP 13.18



Project Manager: Darin Fristrup
Project Number: BRF-0066(4)13
PIN number: 5250
CID number: 52140
FY: 2008

UDOT

Structures Division
Region 1
Prepared by
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Updated by
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April 2007

**Reviewed by Structures Team: 4/13/07
DM#: 59226**

CONCEPT REPORT SUMMARY

Scope of Project:

1. Purpose of Concept Report

This report presents a conceptual overview of a project to replace a bridge on SR -66. It is intended to convey the need, scope, schedule, budget, and quality control process for the project.

2. Project Information

Region: 1 **Route No:** SR-66 **Date:** November 2004/April 2007

Project Name: Bridge Replacement on SR-66 **R.P.:** 13.18

Project Number: BRF-0066(4)13 **PIN:** 5250 **CID:** 52140

Project Design: Bridge: UDOT Structures Division;
Roadway: Region 1 Preconstruction

Project Mgr: Darin Fristrup

3. Plan:

There are no known plans to expand this corridor in the next 20 years.

4. Work Items to be Completed:

The scope of this project is to replace the existing bridge including the following:

- Remove existing bridge
- Approved hydraulic data corresponds to the proposed bridge geometric configuration
- Require two feet freeboard or a design exception will be required
- Replace existing bridge (structure type has not yet been decided)

5. Work Items to be Deferred:

Roadway and safety items beyond what is related to the bridge replacement will not be included.

6. Design Exceptions:

No Design Exceptions are expected. *The Structural Design Engineer shall evaluate Accelerated Bridge Construction techniques for possible implementation for use for this project.*

Due to the historic nature of the bridge a similar parapet will likely be required.

7. Maintenance Considerations:

Region 1 Maintenance Station 1426 should be included in the concept development.

8. Construction Considerations:

Construction phasing will likely be required for the bridge replacement. Public information services and coordination with Morgan City should be mandatory.

Limitations of Operations, incentives, A+B bidding and Design-Build should be considered.

River flows and possible environment impacts need to be considered throughout construction.

9. **Risk Analysis:** (None anticipated at this time)
The greatest risk is associated with traffic control and delays.

10. **Development Process:**

New or Major Reconstruction	<u> x </u>
Rehabilitation	<u> </u>
Preservation	<u> </u>

Schedule of Project:

To get the best quality and bid prices, it is expected that this project be advertised no later than February 1, 2008. Construction should be completed before winter season. A tentative schedule is:

Begin Design Phase	Spring	2007
Advertisement Date	Winter	2008
Begin of Construction	Spring	2008
Completion of Construction	Fall	2008

Budget of Project:

- 1. Funding Source:** **FY 2010 HBP Funds**
- 2. Amount Programmed:** **\$ 2,250,000 (STIP 2010)**
- 3. Cost Estimate:** **\$ 3,162,251**

C-164, SR-66 Weber River Bridge in Morgan City

Structure:	Item	Quantity	Unit
C-164	Remove existing structure	1	LUMP
	New steel structure (Est.120 ft x 65 ft)	7800	SF
	Roadway approach	1	LUMP
	Polymer or asphalt overlay	7200	SF
	Parapet Sealing	340	FT
	Traffic Control & MOT	1	LUMP
	Mobilization	1	LUMP
	Public information services	1	LUMP
	Accelerated Bridge Construction	1	LUMP

Bridge Subtotal

Contingency 15%

PE (UDOT & Consultant)

CE 9%

Bridge Total

Inflation Rate 9% Over 1 year

Total Project Cost

New steel structure 120 ft x 65 ft

**\$
3,162,251.32**

LOCATION MAP

